

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 103 - 03617 County Wetzel District Green
Quad Pine Grove 7.5' Pad Name Cedar Field/Pool Name -----
Farm name Dallison Lumber Company Well Number Gunto Unit 2H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4379818.776m Easting 524599.748m
Landing Point of Curve Northing 4379510.04m Easting 525474.95m
Bottom Hole Northing 4374965.042m Easting 527056.946m

Elevation (ft) 1248' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Air - Foam & 4% KCL

Mud - Polymer

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Date permit issued 10/4/2023 Date drilling commenced 10/30/2023 Date drilling ceased 12/24/2023
Date completion activities began 4/6/2024 Date completion activities ceased 6/28/2024
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 612' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 2193' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 1010' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

APPROVED
Reviewed by: [Signature]
01/17/2025

API 47- 103 - 03617 Farm name Dallison Lumber Company Well number Gunto Unit 2H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	28"	20"	130'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	727'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3726'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" /8-1/2"	5-1/2"	25088'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7578'		4.7#, P-110		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	209 sx	15.6	1.18	247	0'	8 Hrs.
Surface	Class C	690 sx	15.8	1.16	800	0'	8 Hrs.
Coal							
Intermediate 1	Class C	1290 sx	15.8	1.16	1496	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4260 sx (Tail)	13.5 (Spacer), 15.2 (Lead)	1.30 (Tail)	5538	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 25088' MD, 7228' TVD (BHL), 7228' TVD (Deepest Point Drilled) Loggers TD (ft) 25058' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6800'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0
 Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
 Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
 Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED N/A

01/17/2025 *SM*

API 47-103-03617 Farm Name Dallison Lumber Company Well Number Gunto Unit 2H

EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/6/2024	24961	24916	36	Marcellus
2	4/7/2024	24877.56863	24712.4118	36	Marcellus
3	4/8/2024	24676.98039	24511.8235	36	Marcellus
4	4/8/2024	24476.39216	24311.2353	36	Marcellus
5	4/8/2024	24275.80392	24110.6471	36	Marcellus
6	4/9/2024	24075.21569	23910.0588	36	Marcellus
7	4/9/2024	23874.62745	23709.4706	36	Marcellus
8	4/10/2024	23674.03922	23508.8824	36	Marcellus
9	4/10/2024	23473.45098	23308.2941	36	Marcellus
10	4/11/2024	23272.86275	23107.7059	36	Marcellus
11	4/12/2024	23072.27451	22907.1176	36	Marcellus
12	4/12/2024	22871.68627	22706.5294	36	Marcellus
13	4/13/2024	22671.09804	22505.9412	36	Marcellus
14	4/13/2024	22470.5098	22305.3529	36	Marcellus
15	4/14/2024	22269.92157	22104.7647	36	Marcellus
16	4/14/2024	22069.33333	21904.1765	36	Marcellus
17	4/15/2024	21868.7451	21703.5882	36	Marcellus
18	4/16/2024	21668.15686	21503	36	Marcellus
19	4/16/2024	21467.56863	21302.4118	36	Marcellus
20	4/17/2024	21266.98039	21101.8235	36	Marcellus
21	4/17/2024	21066.39216	20901.2353	36	Marcellus
22	4/18/2024	20865.80392	20700.6471	36	Marcellus
23	4/22/2024	20665.21569	20500.0588	36	Marcellus
24	4/22/2024	20464.62745	20299.4706	36	Marcellus
25	4/24/2024	20264.03922	20098.8824	36	Marcellus
26	4/25/2024	20063.45098	19898.2941	36	Marcellus
27	4/25/2024	19862.86275	19697.7059	36	Marcellus
28	4/26/2024	19662.27451	19497.1176	36	Marcellus
29	4/27/2024	19461.68627	19296.5294	36	Marcellus
30	4/28/2024	19261.09804	19095.9412	36	Marcellus
31	4/29/2024	19060.5098	18895.3529	36	Marcellus
32	4/30/2024	18859.92157	18694.7647	36	Marcellus
33	5/1/2024	18659.33333	18494.1765	36	Marcellus
34	5/2/2024	18458.7451	18293.5882	36	Marcellus
35	5/2/2024	18258.15686	18093	36	Marcellus
36	5/3/2024	18057.56863	17892.4118	36	Marcellus
37	5/4/2024	17856.98039	17691.8235	36	Marcellus
38	5/5/2024	17656.39216	17491.2353	36	Marcellus
39	5/5/2024	17455.80392	17290.6471	36	Marcellus
40	5/6/2024	17255.21569	17090.0588	36	Marcellus
41	5/6/2024	17054.62745	16889.4706	36	Marcellus
42	5/7/2024	16854.03922	16688.8824	36	Marcellus
43	5/7/2024	16653.45098	16488.2941	36	Marcellus
44	5/8/2024	16452.86275	16287.7059	36	Marcellus
45	5/8/2024	16252.27451	16087.1176	36	Marcellus
46	5/9/2024	16051.68627	15886.5294	36	Marcellus
47	5/9/2024	15851.09804	15685.9412	36	Marcellus
48	5/10/2024	15650.5098	15485.3529	36	Marcellus
49	5/10/2024	15449.92157	15284.7647	36	Marcellus
50	5/10/2024	15249.33333	15084.1765	36	Marcellus
51	5/11/2024	15048.7451	14883.5882	36	Marcellus
52	5/11/2024	14848.15686	14683	36	Marcellus
53	5/11/2024	14647.56863	14482.4118	36	Marcellus
54	5/12/2024	14446.98039	14281.8235	36	Marcellus
55	5/12/2024	14246.39216	14081.2353	36	Marcellus
56	5/13/2024	14045.80392	13880.6471	36	Marcellus
57	5/13/2024	13845.21569	13680.0588	36	Marcellus
58	5/13/2024	13644.62745	13479.4706	36	Marcellus
59	5/14/2024	13444.03922	13278.8824	36	Marcellus
60	5/14/2024	13243.45098	13078.2941	36	Marcellus
61	5/15/2024	13042.86275	12877.7059	36	Marcellus
62	5/15/2024	12842.27451	12677.1176	36	Marcellus
63	5/15/2024	12641.68627	12476.5294	36	Marcellus
64	5/16/2024	12441.09804	12275.9412	36	Marcellus
65	5/16/2024	12240.5098	12075.3529	36	Marcellus
66	5/16/2024	12039.92157	11874.7647	36	Marcellus
67	5/17/2024	11839.33333	11674.1765	36	Marcellus
68	5/17/2024	11638.7451	11473.5882	36	Marcellus
69	5/18/2024	11438.15686	11273	36	Marcellus
70	5/18/2024	11237.56863	11072.4118	36	Marcellus
71	5/18/2024	11036.98039	10871.8235	36	Marcellus
72	5/19/2024	10836.39216	10671.2353	36	Marcellus
73	5/19/2024	10635.80392	10470.6471	36	Marcellus
74	5/19/2024	10435.21569	10270.0588	36	Marcellus
75	5/20/2024	10234.62745	10069.4706	36	Marcellus
76	5/20/2024	10034.03922	9868.88235	36	Marcellus
77	5/21/2024	9833.45098	9668.29412	36	Marcellus
78	5/21/2024	9632.862745	9467.70588	36	Marcellus
79	5/21/2024	9432.27451	9267.11765	36	Marcellus
80	5/22/2024	9231.686275	9066.52941	36	Marcellus
81	5/22/2024	9031.098039	8865.94118	36	Marcellus
82	5/22/2024	8830.509804	8665.35294	36	Marcellus
83	5/23/2024	8629.921569	8464.76471	36	Marcellus
84	5/23/2024	8429.333333	8264.17647	36	Marcellus
85	5/24/2024	8228.745098	8063.58824	36	Marcellus
86	5/24/2024	8028.156863	7863	36	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	4/6/2024	80.37093	9996.048	8905.3	3964	167040	5176.9762	N/A
2	4/7/2024	89.39217	10348	7066.64	4485.081	418960	6862.0714	N/A
3	4/8/2024	84.20481	10328.4	7625.44	4884	419020	7126.3333	N/A
4	4/8/2024	91.83582	10550.95	7204.33	4604.894	412300	7099.619	N/A
5	4/8/2024	83.78078	9875.093	7265.74	4467.71	397390	7059.7381	N/A
6	4/9/2024	91.14996	10432.81	6830.51	4516.18	402630	7109.6667	N/A
7	4/9/2024	90.77304	10464.53	7413.29	4672.839	408520	7114.4286	N/A
8	4/10/2024	95.06384	10566.97	7086.57	4478.174	396840	7112.2381	N/A
9	4/10/2024	91.17408	10584.07	7827.7	4563	419000	7289.0714	N/A
10	4/11/2024	90.4011	10565.52	7136.62	4324.238	419280	7263.7381	N/A
11	4/12/2024	89.0077	10158.23	6988.57	4364.242	407580	6978.6667	N/A
12	4/12/2024	92.53672	10464.3	7002.12	4612.23	416040	8276.9762	N/A
13	4/13/2024	90.53812	10600.71	8065.88	4456.15	418560	7224.2381	N/A
14	4/13/2024	90.0994	10527.06	7493.19	4554.865	416180	7245.2857	N/A
15	4/14/2024	90.84989	10526.56	7422.18	4549.636	413380	7321.9048	N/A
16	4/14/2024	88.89888	10325.78	7521.65	4219.069	419940	7132.8333	N/A
17	4/15/2024	90.24462	10439.23	7467.78	4428.093	411840	7336.881	N/A
18	4/16/2024	91.46593	10382.4	7628.25	4367.956	417320	6833.0238	N/A
19	4/16/2024	93.44529	10367.89	6285.75	4709.259	415580	7159.1667	N/A
20	4/17/2024	90.56604	10521.8	7751.09	4059	417740	7110.119	N/A
21	4/17/2024	94.30965	10560.39	6897.42	4487.092	416980	6975.9286	N/A
22	4/18/2024	92.27463	10420.17	6579.45	4475.073	379240	6755.5238	N/A
23	4/22/2024	96.00767	10528.74	7353.2	4652	419380	7225.5	N/A
24	4/22/2024	87.14278	10520.64	8067.02	4365	423820	7363.0714	N/A
25	4/24/2024	87.215	10536.1	7586.53	4600.056	420300	7324.0952	N/A
26	4/25/2024	87.97362	10519.95	7412.29	4391.157	423480	7328.4762	N/A
27	4/25/2024	84.09495	10623.29	6647.34	4314.311	416400	7328.5952	N/A
28	4/26/2024	86.31031	10455.03	7926.09	4609.247	421340	7343.4048	N/A
29	4/27/2024	91.57012	10499.27	7810.03	4548.278	425440	7197.7619	N/A
30	4/28/2024	90.18018	10225.75	8306.85	4547.66	414840	7996	N/A
31	4/29/2024	87.7506	9988.759	7243.01	4436.245	422880	8115.0952	N/A
32	4/30/2024	83.32137	10371.38	7491.5	4482	413760	7359.1429	N/A
33	5/1/2024	81.88862	10049.78	7194.86	4462.197	417620	9625.6905	N/A
34	5/2/2024	90.62076	10070.19	7315.52	4920.329	418720	7724.4286	N/A
35	5/2/2024	91.33309	9975.011	7803.04	4592.027	424320	7287.4286	N/A
36	5/3/2024	93.02006	10219.36	7648.5	4479.921	424580	7355.5238	N/A
37	5/4/2024	88.10662	10221.01	7005.06	4311.359	412800	7533.9048	N/A
38	5/5/2024	88.07593	10067.24	7857.62	4385.532	415060	7458.4524	N/A
39	5/5/2024	87.1759	10046.82	9909.5	4618	420020	7276.1667	N/A
40	5/6/2024	86.91653	10082.43	7539.72	4314.749	413540	7379.8095	N/A
41	5/6/2024	89.07827	10026.76	7436.89	4713	420760	7446.3333	N/A
42	5/7/2024	91.96882	10091	7145.66	4399.771	417000	7369.6429	N/A
43	5/7/2024	89.9948	9799.221	7193.62	4474.037	421280	7462.7143	N/A
44	5/8/2024	95.18184	10095.33	7224.63	4752	415300	7356.8095	N/A
45	5/8/2024	96.20125	10279	7254.86	4624.148	414400	8926.6905	N/A
46	5/9/2024	92.50299	10034.11	7640.18	4511	406640	7316.0238	N/A
47	5/9/2024	91.53341	10323.79	8087.54	4552	418840	7311	N/A
48	5/10/2024	88.42174	10357.16	8144	4359.039	396360	7222.5952	N/A
49	5/10/2024	89.90242	10469	7787.53	5176	417460	7136.5714	N/A
50	5/10/2024	91.30542	10431.88	8133.51	4562.674	418440	7366.119	N/A
51	5/11/2024	93.88964	9909.318	7841	4591.568	418100	7274.619	N/A
52	5/11/2024	95.8316	10006.73	7958.66	4643	396740	7061.6667	N/A
53	5/11/2024	95.32675	9567.716	7958.48	4680.34	416020	6932.1667	N/A
54	5/12/2024	96.74552	9547.329	7737.37	5268	398800	7112.9048	N/A
55	5/12/2024	96.69589	9450	7516.44	4626	420880	7407.7143	N/A
56	5/13/2024	95.51842	9588.349	7153.87	4430.161	420280	7157.881	N/A
57	5/13/2024	94.90361	8925.837	6120.16	5046	414840	7320.119	N/A
58	5/13/2024	95.58683	9071.866	6606.33	4334.09	399180	7462.1905	N/A
59	5/14/2024	98.37567	9084.901	6543.68	4626.338	404270	8433.6667	N/A
60	5/14/2024	97.07079	9035	6402.77	4448.445	420820	7192.0714	N/A
61	5/15/2024	97.12152	9067	6695	4513.603	400270	7031.7619	N/A
62	5/15/2024	96.61461	9076.085	6483.87	4215.191	417660	7168.9524	N/A
63	5/15/2024	95.67729	8936.901	7045.47	4019	420180	7295.2381	N/A
64	5/16/2024	97.07382	8792.076	6464.7	4129.148	418760	7182.6905	N/A
65	5/16/2024	97.35389	9072.894	6989.2	4238.031	419640	7304.1429	N/A
66	5/16/2024	98.27335	8968.644	6571.24	4422.504	418440	7199.0238	N/A
67	5/17/2024	97.42832	8818.896	6901.93	4253.813	421200	7230.7857	N/A
68	5/17/2024	97.71461	8823.877	6711.09	4252.389	417480	7098.5952	N/A
69	5/18/2024	98.11134	8807.358	6505.48	4049.785	417300	7270.1667	N/A
70	5/18/2024	97.43922	8855.418	6405	3974.82	419980	7165.0476	N/A
71	5/18/2024	98.09485	8736.859	7397.84	4132	417640	7132.7619	N/A
72	5/19/2024	96.76875	8655.685	6658.83	4203.249	421920	6864.2381	N/A
73	5/19/2024	97.60183	8648.054	6473.81	4114	415160	6877.1905	N/A
74	5/19/2024	97.60039	8466.785	6773.3	4008	422460	7292.3095	N/A
75	5/20/2024	97.86748	8690.615	6290.33	4276	421580	7150.619	N/A
76	5/20/2024	96.18528	8423.881	7040.84	4154.222	419260	7011.5714	N/A
77	5/21/2024	98.04391	8494.319	7710.9	4106.651	418060	7187.1667	N/A
78	5/21/2024	98.05895	8559.464	7771.18	4137	421000	7328.619	N/A
79	5/21/2024	98.04897	8229.855	7480.7	4088.339	422820	7363.6667	N/A
80	5/22/2024	97.07657	8029.605	6786.17	4088	423820	7009.7857	N/A
81	5/22/2024	96.4715	7930.436	7194.11	4368	413540	6936.5	N/A
82	5/22/2024	97.54353	8083.448	7036.45	3961	420440	7040.4286	N/A
83	5/23/2024	97.95422	7842.53	7281.63	4469	416140	6600.7143	N/A
84	5/23/2024	97.8584	7905.18	7489.56	4197.628	418900	7137.9762	N/A
85	5/24/2024	97.78289	8258.708	7360.2	4021	412380	6754.0238	N/A
86	5/24/2024	97.38329	7958.174	6704.1	5720.64	414520	7003.1429	N/A
	AVERAGE	92.8	9,677	7,299	4,444	35,486,620	624,694	0

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandy Siltstone, LS	100	320	100	320
Shaley Siltstone, tr LS	320	370	320	370
Sandy Shale	370	620	370	620
Siltstone, Occ SS, tr Shale, tr Coal	470	820	470	820
Sandy Siltstone, tr LS, tr Shale	620	820	620	820
Silty Sandstone, tr LS	820	920	820	920
Sandy Siltstone, tr LS, tr Shale	920	1,020	920	1,020
Silty Sandstone, tr Shale	1,020	1,120	1,020	1,120
Silty Sandstone, tr Shale, tr LS	1,120	1,220	1,120	1,220
Shaley Sandstone, occ Siltstone	1,220	1,420	1,220	1,420
Silty Sandstone, tr shale	1,420	1,520	1,420	1,520
Sandy Siltstone, tr Coal	1,520	1,670	1,520	1,670
Siltly Sandstone, tr Coal, tr Shale	1,670	1,870	1,670	1,870
Sandy Shale, tr Coal	1,870	2,020	1,870	2,020
Silty Sandstone, rr Coal	2,020	2,162	2,020	2,245
Big Lime	2,192	2,997	2,245	3,154
Fifty Foot Sandstone	2,997	3,066	3,124	3,229
Gordon	3,066	3,304	3,199	3,483
Fifth Sandstone	3,304	3,645	3,453	3,845
Bayard	3,645	4,038	3,815	4,272
Speechley	4,038	4,188	4,242	4,433
Balltown	4,188	4,652	4,403	4,934
Bradford	4,652	5,247	4,904	5,586
Benson	5,247	5,695	5,556	6,072
Alexander	5,695	6,894	6,042	7,394
Sycamore	6,729	6,864	7,201	7,364
Middlesex	6,864	6,962	7,364	7,510
Burkett	6,962	6,994	7,510	7,567
Tully	6994	7081	7567	7811
Marcellus	7081	NA	7811	NA

RECEIVED
Office of Oil and Gas

OCT 02 2024

WV Department of
Environmental Protection

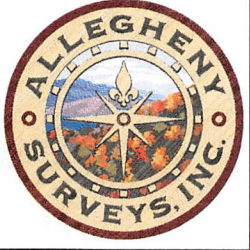
01/17/2025



**Antero Resources
Well No. Gunto 2H
As-Drilled
Antero Resources Corporation**

Page 1 of 3

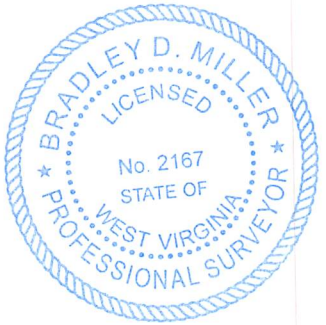
As-Drilled
Well No.
Gunto Unit 2H



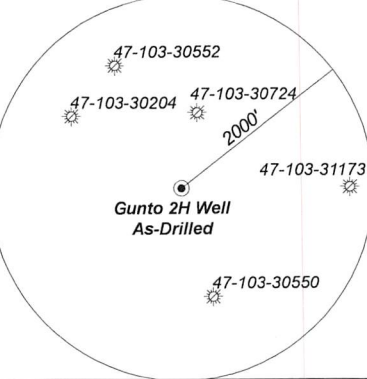
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167



Note: 0 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
L1	N 83°19' E	1,639.4'
L2	N 45°36' W	2,707.5'
L3	N 07°21' W	2,510.4'
L4	N 17°26' E	2,452.8'

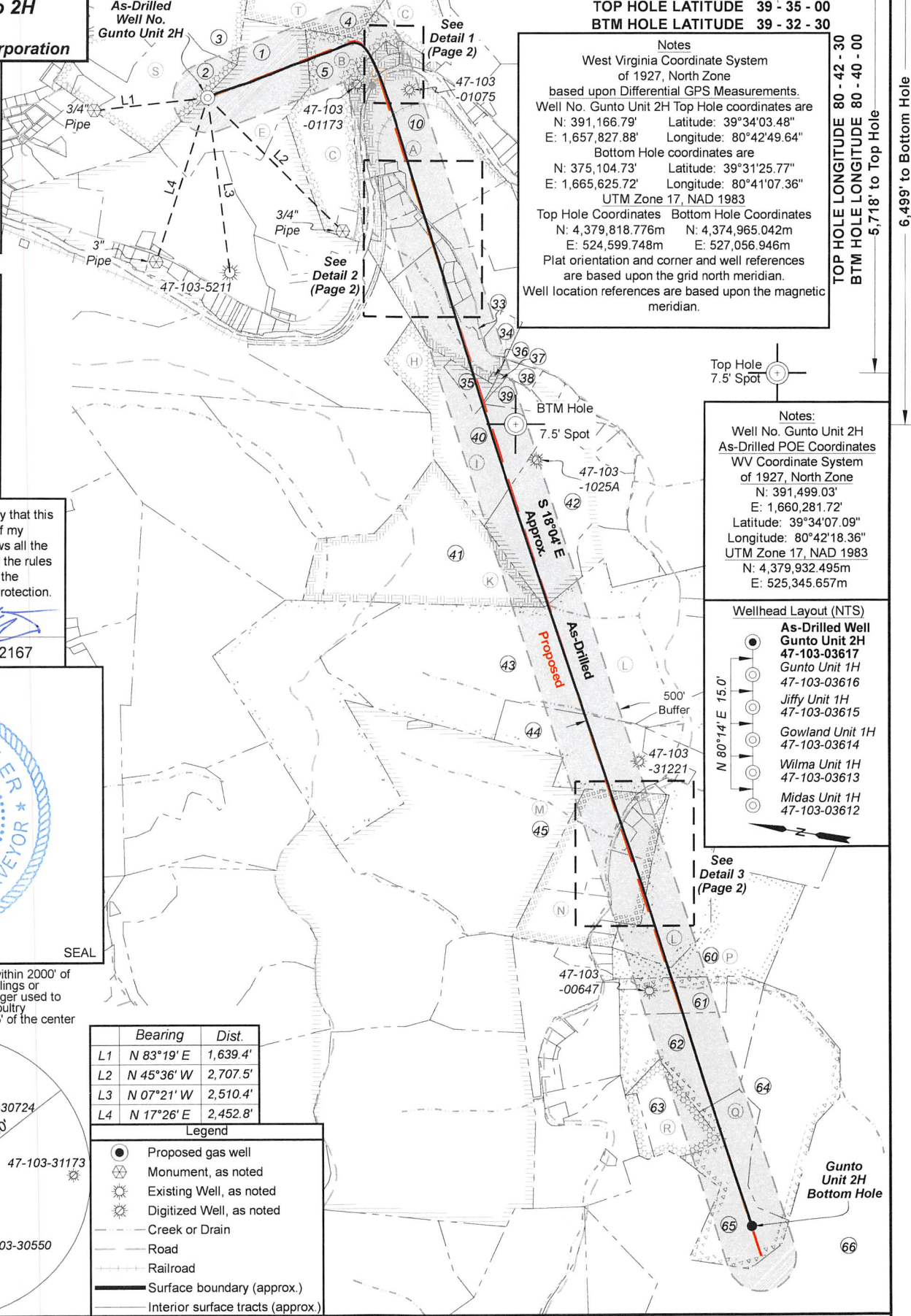
- Legend**
- Proposed gas well
 - ⊗ Monument, as noted
 - ☼ Existing Well, as noted
 - ☼ Digitized Well, as noted
 - Creek or Drain
 - Road
 - Railroad
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)

5,279' to Bottom Hole

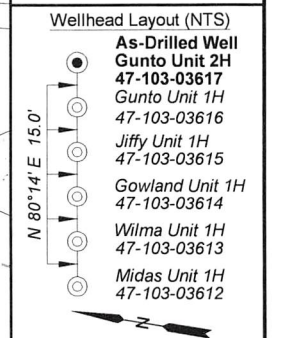
1,538' to Top Hole
TOP HOLE LATITUDE 39 - 35 - 00
BTM HOLE LATITUDE 39 - 32 - 30

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Gunto Unit 2H Top Hole coordinates are N: 391,166.79' Longitude: 80°42'49.64" E: 1,657,827.88' Longitude: 80°42'49.64" Bottom Hole coordinates are N: 375,104.73' Longitude: 80°31'25.77" E: 1,665,625.72' Longitude: 80°41'07.36" UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates N: 4,379,818.776m N: 4,374,965.042m E: 524,599.748m E: 527,056.946m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

TOP HOLE LONGITUDE 80 - 42 - 30
BTM HOLE LONGITUDE 80 - 40 - 00
5,718' to Top Hole
6,499' to Bottom Hole



Notes:
Well No. Gunto Unit 2H As-Drilled POE Coordinates WV Coordinate System of 1927, North Zone N: 391,499.03' E: 1,660,281.72' Longitude: 80°42'18.36" UTM Zone 17, NAD 1983 N: 4,379,932.495m E: 525,345.657m



See Detail 3 (Page 2)

FILE NO: 123-34-G-18
DRAWING NO: Gunto 2H As-Drilled Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 9 20 24
OPERATOR'S WELL NO. Gunto 2H
API WELL NO
47 - 103 - 03617
STATE COUNTY PERMIT

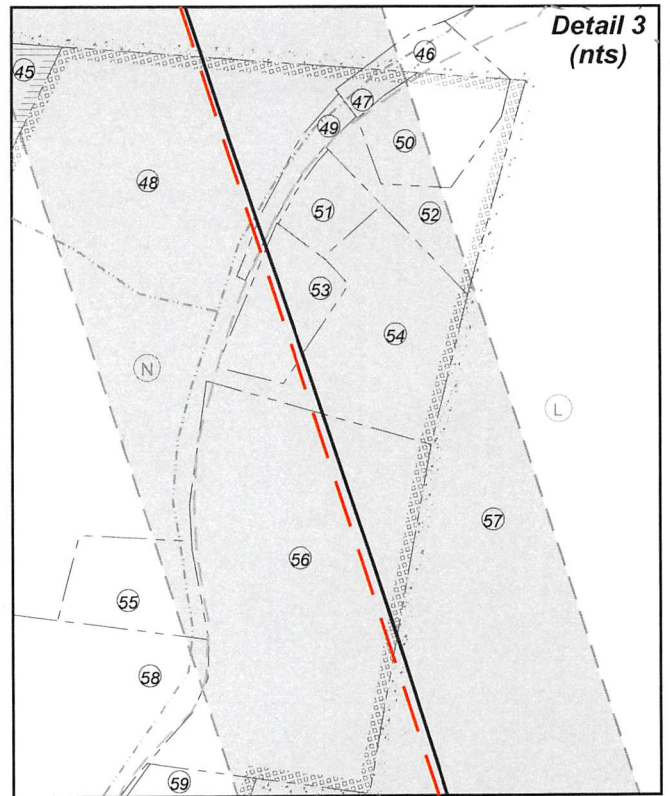
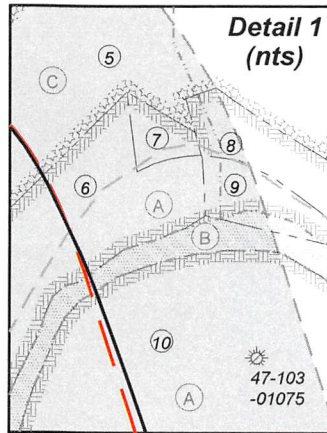
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built: 1,248' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: Green Dallison Lumber COMPANY COUNTY: Wetzell 01/17/2025
SURFACE OWNER: Company ACREAGE: 51.5
ROYALTY OWNER: Jenkins Miller LEASE NO: ACREAGE: 200
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,228' TVD 25,088' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

Antero Resources
Well No. Gunto 2H
As-Drilled
Antero Resources Corporation



Page 2 of 3



FILE NO: 123-34-G-18
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WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

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API WELL NO
47 - 103 - 03617
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Antero Resources
Well No. Gunto 2H
As-Drilled
Antero Resources Corporation



Page 3 of 3

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B	WVDNR
C	Eddie D. Dallison
E	Jenkins Miller
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K	Tribune Resources Minerals, LLC
L	Thomas Cunningham, et ux
M	Shiben Estates Inc.
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Q	T.M. Cunningham, et ux
R	Clay D.C. Dallison, et al
S	Antero Minerals, LLC
T	James E. Coen, et ux

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6	14-21	Dominion Gathering & Processing, Inc.	460/781	3.20
7	14-69	Lana R. & F. S. Null	410/472	0.50
8	14-23	Ren Realty LLC	447/844	1.40
9	14-22	Ren Realty LLC	447/844	1.25
10	14-36	Dominion Gathering & Processing, Inc.	460/781	57.41
11	14-64	Kathy Sue Phillips	436/126	0.50
12	14-64.13	Andrew C. Brown, Sr.	424/774	0.34
13	14-64.14	Roger A. & Shelby Kay Warner	299/243	0.33
14	14-35	Kenneth P. Brown & Darlene Dae Fluharty	341/516	0.75
15	14-64.16	Kathy Sue Phillips	364/667	3.00
16	14-64.12	Jaclyn S. Lively	M98/648	0.99
17	14-64.9	Timothy & Kimberly Bates Revocable Trust	486/525	1.84
18	14-64.4	Timothy & Kimberly Bates Revocable Trust	486/525	0.90
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20	14-64.3	Sandra J. Fortney	WB59/137	0.27
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24	14-65	Hornet Midstream Pipeline, LLC	453/326	23.45
25	14-64.5	Pansy I. Rush	304/45	1.25
26	14-64.11	Clara M. Haught	462/594	25.26
27	14-64.15	Christina A. Shepherd	380/358	1.03
28	14-64.1	Thomas Ralph Fluharty	455/558	0.85
29	14-73	Tina D. Dallison	452/207	59.17
30	14-64.17	Arnim D. Jr. & Tammy C. Dudgeon	378/321	1.32
31	14-64.2	Ricky J. & Carolyn Sure Yoho	404/694	0.93
32	14-64.6	William B. & Ethel Yvonne Crawford	344/565	2.56
33	17-52.1	Clara M. Haught	462/594	0.44
34	17-53	Robert & Toni Shaver	304/625	5.00
35	18-2.10	Michael & Cheryl Adams	350/398	5.08
36	17-55	Michael & Cheryl Adams	350/359	0.36
37	18-2.11	Michael & Cheryl Adams	350/402	0.80
38	18-2.3	Heath L. Tennant	403/77	3.09
39	18-2.9	Darren P. Brown	383/436	7.45
40	18-2.1	Heath L. Tennant	404/26	56.85
41	17-32	Pauline E. Hayes	420/626	79.25
42	18-2.7	Howard B. & Roxie J. Rice	335/520	67.70
43	18-4	Barbara D. Cunningham	291/112	212.80
44	18-6	Barbara D. Cunningham	291/112	56.80
45	17-51	Linda K. Ice & Harry G. Witcherman Jr.	WB66/545	156.00
46	18-9.4	Brooks H. & Donna J. Hinerman	335/447	0.66
47	18-8.6	LBrooks H. & Donna J. Hinerman	335/444	0.29
48	18-8	Linda K. Ice & Harry G. Wichterman Jr.	W66/545	23.40
49	18-8.7	Brooks H. & Donna J. Hinerman	369/29	0.58
50	18-8.5	Brooks H. Hinerman	303/425	1.94
51	18-8.3	Shar-Lee R. Rogers, et al	418/719	0.89
52	18-8.1	Brooks H. Hinerman	369/135	1.95
53	18-8.10	Brooke Hinerman	444/80	1.71
54	18-8.8	Brooks H. & Donna J. Hinerman	369/135	5.02
55	18-8.9	Linda Ice Long	431/249	1.75
56	18-8.2	Harry Glenn Wichterman, Jr.	437/425	13.35
57	18-9	Gordon F. Yost, et al	405/237	74.47
58	21-24	Linda Ice Long	431/249	17.95
59	21-23	Harry Glenn Wichterman	429/560	1.24
60	21-3	Dallison Lumber	419/596	50.00
61	21-6	Olga Lucille Nolan	260/264	18.20
62	21-8	Coastal Forest Resources Co.	444/105	60.70
63	21-12	Dallison Lumber Co.	372/1	21.72
64	21-14	Coastal Forest Resources Co.	444/105	60.00
65	21-13	Coastal Forest Resources Co.	444/105	27.70
66	21-3	State of WV	207/239	5228.5

FILE NO: 123-34-G-18
DRAWING NO: Gunto 2H As-Drilled Plat
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MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 9 20 24
OPERATOR'S WELL NO. Gunto 2H
API WELL NO
47 - 103 - 03617
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built: 1,248' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
DISTRICT: Green Dallison Lumber COMPANY COUNTY: Wetzel **01/17/2025**
SURFACE OWNER: Company ACREAGE: 51.5
ROYALTY OWNER: Jenkins Miller LEASE NO: _____ ACREAGE: 200
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
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Denver, CO 80202 Bridgeport, WV 26330

Antero Resources
Well No. Gunto 2H
As-Drilled
Antero Resources Corporation

Page 1 of 3

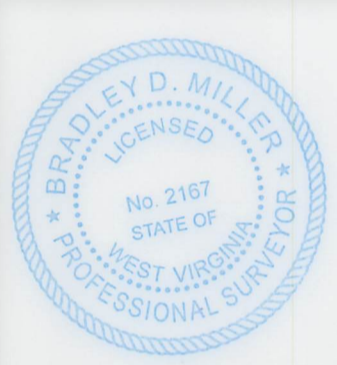
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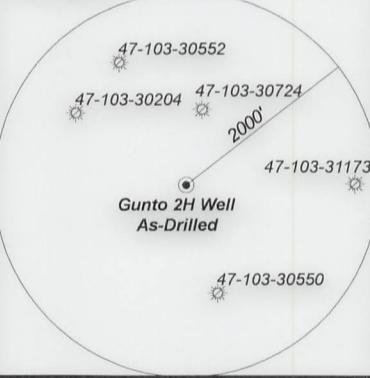
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Bradley D. Miller
 Bradley D. Miller, P.S. 2167



Note: 0 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



	Bearing	Dist.
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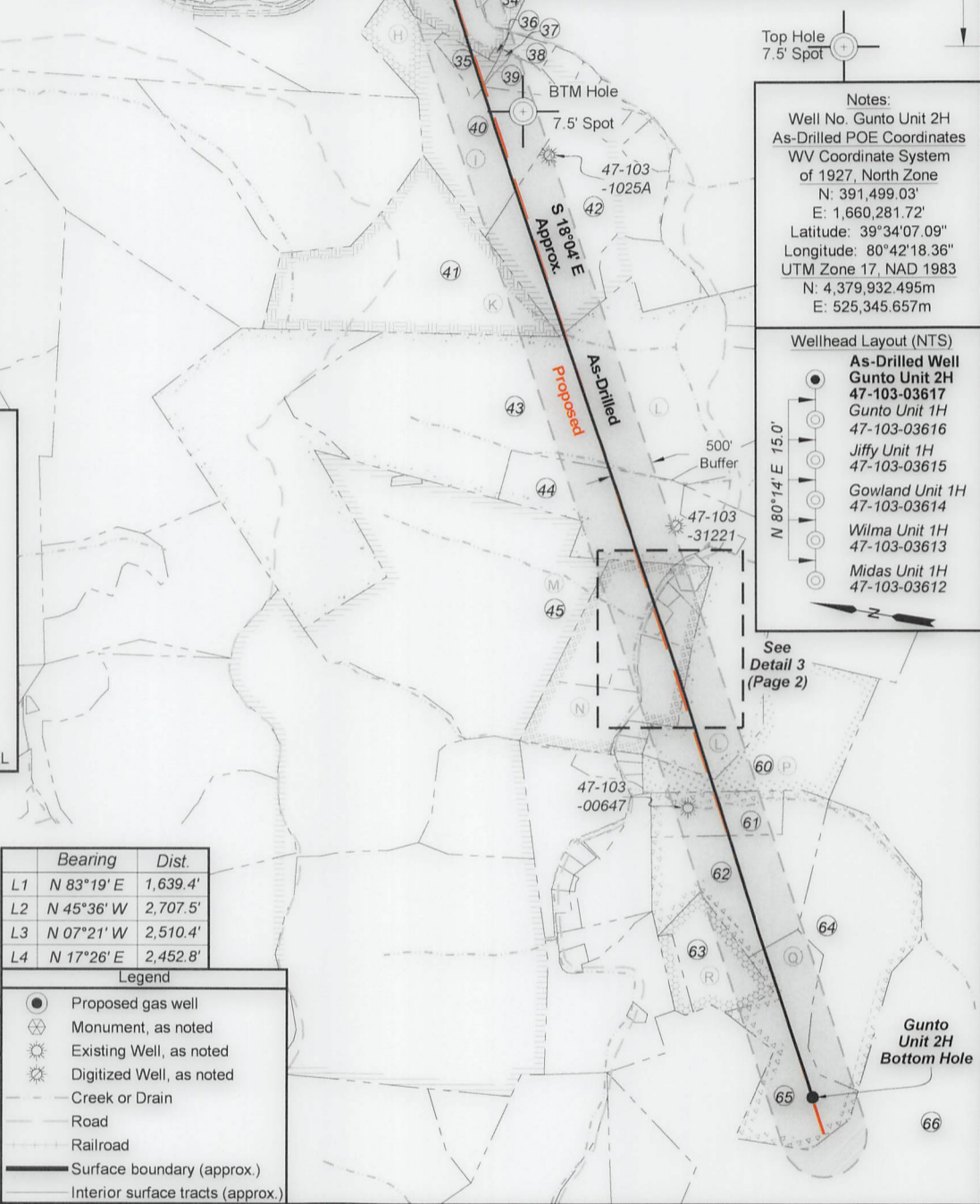
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5,279' to Bottom Hole

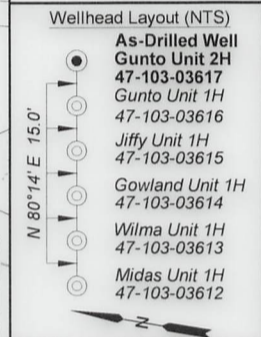
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TOP HOLE LONGITUDE 80 - 42 - 30
 BTM HOLE LONGITUDE 80 - 40 - 00
 5,718' to Top Hole
 6,499' to Bottom Hole



Notes:
 Well No. Gunto Unit 2H As-Drilled POE Coordinates WV Coordinate System of 1927, North Zone
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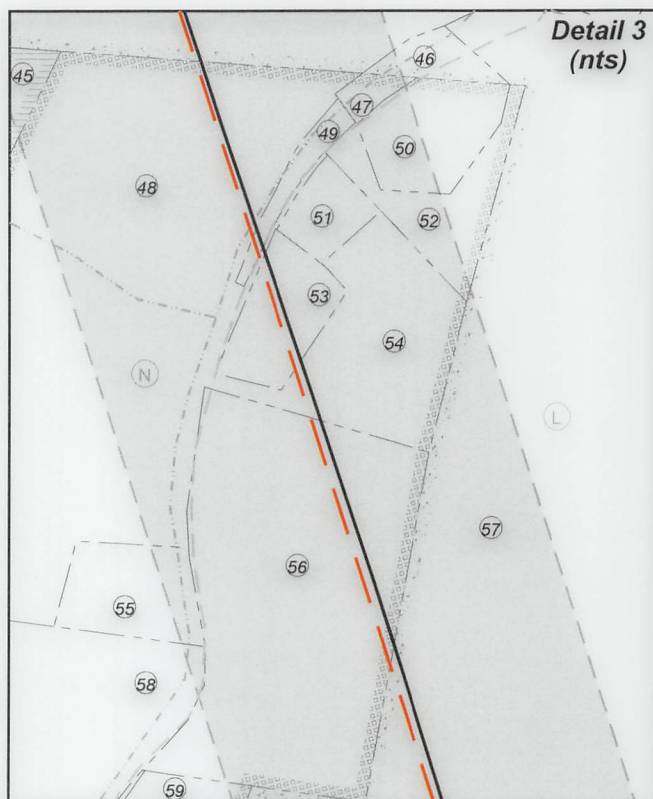
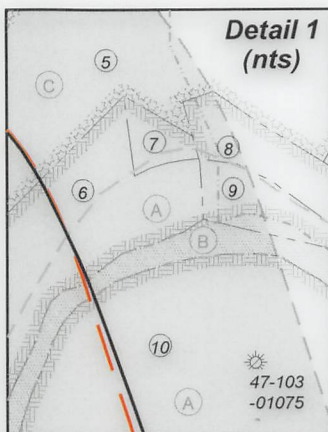
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 DRAWING NO: Gunto 2H As-Drilled Plat
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STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 9 20 24
 OPERATOR'S WELL NO. Gunto 2H
 API WELL NO
 47 - 103 - 03617
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built: 1,248' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
 DISTRICT: Green Dallison Lumber COMPANY COUNTY: Wetzel 01/17/2025
 SURFACE OWNER: Company ACREAGE: 51.5
 ROYALTY OWNER: Jenkins Miller LEASE NO: ACREAGE: 200
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,228' TVD 25,088' MD

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 Denver, CO 80202 Bridgeport, WV 26330



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28	14-64.1	Thomas Ralph Fluharty	455/558	0.85
29	14-73	Tina D. Dallison	452/207	59.17
30	14-64.17	Arnim D. Jr. & Tammy C. Dudgeon	378/321	1.32
31	14-64.2	Ricky J. & Carolyn Sure Yoho	404/694	0.93
32	14-64.6	William B. & Ethel Yvonne Crawford	344/565	2.56
33	17-52.1	Clara M. Haught	462/594	0.44
34	17-53	Robert & Toni Shaver	304/625	5.00
35	18-2.10	Michael & Cheryl Adams	350/398	5.08
36	17-55	Michael & Cheryl Adams	350/359	0.36
37	18-2.11	Michael & Cheryl Adams	350/402	0.80
38	18-2.3	Heath L. Tennant	403/77	3.09
39	18-2.9	Darren P. Brown	383/436	7.45
40	18-2.1	Heath L. Tennant	404/26	56.85
41	17-32	Pauline E. Hayes	420/626	79.25
42	18-2.7	Howard B. & Roxie J. Rice	335/520	67.70
43	18-4	Barbara D. Cunningham	291/112	212.80
44	18-6	Barbara D. Cunningham	291/112	56.80
45	17-51	Linda K. Ice & Harry G. Wichterman Jr.	WB66/545	156.00
46	18-9.4	Brooks H. & Donna J. Hinerman	335/447	0.66
47	18-8.6	LBrooks H. & Donna J. Hinerman	335/444	0.29
48	18-8	Linda K. Ice & Harry G. Wichterman Jr.	W66/545	23.40
49	18-8.7	Brooks H. & Donna J. Hinerman	369/29	0.58
50	18-8.5	Brooks H. Hinerman	303/425	1.94
51	18-8.3	Shar-Lee R. Rogers, et al	418/719	0.89
52	18-8.1	Brooks H. Hinerman	369/135	1.95
53	18-8.10	Brooke Hinerman	444/80	1.71
54	18-8.8	Brooks H. & Donna J. Hinerman	369/135	5.02
55	18-8.9	Linda Ice Long	431/249	1.75
56	18-8.2	Harry Glenn Wichterman, Jr.	437/425	13.35
57	18-9	Gordon F. Yost, et al	405/237	74.47
58	21-24	Linda Ice Long	431/249	17.95
59	21-23	Harry Glenn Wichterman	429/560	1.24
60	21-3	Dallison Lumber	419/596	50.00
61	21-6	Olga Lucille Nolan	260/264	18.20
62	21-8	Coastal Forest Resources Co.	444/105	60.70
63	21-12	Dallison Lumber Co.	372/1	21.72
64	21-14	Coastal Forest Resources Co.	444/105	60.00
65	21-13	Coastal Forest Resources Co.	444/105	27.70
66	21-3	State of WV	207/239	5228.5

FILE NO: 123-34-G-18
 DRAWING NO: Gunto 2H As-Drilled Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 9 20 24
 OPERATOR'S WELL NO. Gunto 2H
 API WELL NO
 47 - 103 - 03617
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built: 1,248' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove
 DISTRICT: Green Dallison Lumber COMPANY COUNTY: Wetzel 01/17/2025
 SURFACE OWNER: Company ACREAGE: 51.5
 ROYALTY OWNER: Jenkins Miller LEASE NO: ACREAGE: 200

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,228' TVD 25,088' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd
 Denver, CO 80202 Bridgeport, WV 26330

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/06/2024
Job End Date:	05/24/2024
State:	West Virginia
County:	Wetzel
API Number:	47-103-03617-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	GUNTO 2H
Latitude:	39.567717
Longitude:	-80.713608
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7227
Total Base Water Volume (gal)*:	27582177.06
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	100.00%

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Excelerate LX-21	Halliburton	Friction Reducer					
FDP-S1470-23	Halliburton	Friction Reducer					
FE-2A	Halliburton	Additive					
FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
MC B-8123	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water (Density 10.0)	Operator	Base Fluid					

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Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.41370	None
			Crystalline silica, quartz	14808-60-7	100.00000	11.37513	None
			Water	7732-18-5	100.00000	0.14491	None
			Hydrochloric acid	7647-01-0	30.00000	0.03346	None
			Complex amine compound	Proprietary	60.00000	0.02419	None
			Guar gum	9000-30-0	100.00000	0.01259	None
			Hydrotreated distillate	Proprietary	30.00000	0.01210	None
			Ethanaminium, N,N,N-trimethyl-2-(1-oxo-2-propen-1-yl)oxy-, chloride (1:1), polymer with 2-propenamide	69418-26-4	60.00000	0.00855	None
			Proprietary	Proprietary	20.00000	0.00752	None
			Hydrotreated light petroleum distillates	64742-47-8	30.00000	0.00428	None
			Ammonium chloride	12125-02-9	5.00000	0.00273	None
			Glutaraldehyde	111-30-8	30.00000	0.00210	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00202	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00202	None
			Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	5.00000	0.00071	None
			Ethoxylated branched C13 alcohol	78330-21-9	5.00000	0.00071	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00055	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00055	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00035	None
			Methanol	67-56-1	100.00000	0.00021	None
			Ammonium persulfate	7727-54-0	100.00000	0.00021	None
			Citric acid	77-92-9	60.00000	0.00008	None

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			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00006	None
			Modified thiourea polymer	Proprietary	30.00000	0.00006	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00006	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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